

## SEQUENCE LISTING

<110> Avalon Pharmaceuticals, Inc.

<120> Breast Specific Protein Expressed in Cancer and Methods of Use  
Thereof

<130> 689290-183

<140>

<141>

<150> US/60/434,960

<151> 2002-12-20

<160> 4

<170> PatentIn version 3.0

<210> 1

<211> 629

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(629)

<223> n=a, t, g, or c

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gccactctac	cactagttac	acaaaccaat	aatttccott	cgcagtggaa	gtcagcttga	180
gttttttcag	gtgtttttgt	gggttttcacc	agatacagca	aagaaattaa	aattactgtt	240
aatggatgtc	aaaaccagtc	agaagtatcc	taagttatat	aatttgtcaa	acaaccatat	300
acatatatTT	tgtattatat	ttatcctttt	gttcttcott	tggtaggaaa	attgtctcat	360
taattcttat	acgaaaggac	ttaaaattag	caaacttttt	ttgcaaacac	atggattcca	420
ttcttggact	tgaggacaac	ttgacgaaca	ggctggggag	gccttgagtg	gtctggagcc	480
agcttgaagc	ggagcagagt	taatgccact	gccactntac	actcaattat	ggcaaaatgc	540
tgcccaatgc	agttccttaa	tccagctgag	aatggtatga	aggcatangg	atgtatnntt	600
tcagaaatTT	ccctggagaa	tctcagggg				629

<210> 2

<211> 760

<212> PRT

<213> Homo sapiens

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		20						25					30		
Gly	Ala	Thr	Ala	Thr	Thr	Thr	Gly	Cys	Ala	Gly	Ala	Gly	Ala	Thr	Ala
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 Thr Gly Ala Gly Thr Gly Gly Ala Gly Thr Thr Thr Thr Gly Ala Thr  
 65 70 75 80  
 Cys Ala Ala Ala Cys Thr Ala Thr Gly Cys Thr Thr Gly Ala Ala Ala  
 85 90 95  
 Gly Cys Cys Ala Cys Thr Cys Thr Ala Cys Cys Ala Cys Thr Ala Gly  
 100 105 110  
 Thr Thr Ala Cys Ala Cys Ala Ala Ala Cys Cys Ala Ala Thr Ala Ala  
 115 120 125  
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 130 135 140  
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 145 150 155 160  
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 180 185 190  
 Ala Gly Cys Ala Ala Ala Gly Ala Ala Ala Thr Thr Ala Ala Ala Ala  
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 Thr Cys Ala Ala Ala Ala Cys Cys Ala Gly Thr Cys Ala Gly Ala Ala  
 225 230 235 240  
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 245 250 255  
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 260 265 270  
 Ala Thr Ala Thr Ala Cys Ala Thr Ala Thr Ala Thr Thr Thr Gly  
 275 280 285  
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 325 330 335  
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 405 410 415  
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 420 425 430  
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 435 440 445  
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 485 490 495  
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 565 570 575  
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 580 585 590  
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 610 615 620  
 Cys Ala Gly Ala Ala Ala Thr Ala Gly Gly Gly Gly Thr Thr Thr Gly  
 625 630 635 640  
 Gly Gly Thr Gly Ala Ala Gly Ala Gly Cys Cys Cys Ala Cys Ala Thr  
 645 650 655  
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Cys Ala Cys Gly Gly Ala Thr Ala Thr Thr Gly Thr Thr Ala Cys Thr		
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acaaattata	taacttagga	tacttctgac	tggttttgac	atccattaac	agtaatttta	1680
atttctttgc	tgatctgggt	gaaacccaca	aaaacacctg	aaaaaactca	agctgacttc	1740
cactgcgaag	ggaaatattg	gtttgtgtaa	ctagtggtag	agtggctttc	aagcatagtt	1800
tgatcaaaac	tccactcagt	atctgcatta	cttttatctc	tgcaaatatc	tgcatgatag	1860
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<210> 4  
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<223> Putative protein derived from cDNA.

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20          25          30

Tyr Gln Arg Arg Arg Trp Met Ile Arg Ala Leu His Leu Phe Pro Ala
35          40          45

Pro Pro Ala His Trp Phe Tyr Gly His Lys Glu Phe Tyr Pro Val Lys
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Glu Phe Glu Val Tyr His Lys Leu Met Glu Lys Tyr Pro Cys Ala Val
65          70          75          80

Pro Leu Trp Val Gly Pro Phe Thr Met Phe Phe Ser Val His Asp Pro
85          90          95

Asp Tyr Ala Lys Ile Leu Leu Lys Arg Gln Asp Pro Lys Ser Ala Val
100         105         110

Ser His Lys Ile Leu Glu Ser Trp Val Gly Arg Gly Leu Val Thr Leu
115         120         125

Asp Gly Ser Lys Trp Lys Lys His Arg Gln Ile Val Lys Pro Gly Phe
130         135         140

Asn Ile Ser Ile Leu Lys Ile Phe Ile Thr Met Met Ser Glu Ser Val
145         150         155         160

Arg Met Met Leu Asn Lys Trp Glu Glu His Ile Ala Gln Asn Ser Arg
165         170         175

Leu Glu Leu Phe Gln His Val Ser Leu Met Thr Leu Asp Ser Ile Met
180         185         190

Lys Cys Ala Phe Ser His Gln Gly Ser Ile Gln Leu Asp Ser Thr Leu
195         200         205

Asp Ser Tyr Leu Lys Ala Val Phe Asn Leu Ser Lys Ile Ser Asn Gln
210         215         220

Arg Met Asn Asn Phe Leu His His Asn Asp Leu Val Phe Lys Phe Ser
225         230         235         240

Ser Gln Gly Gln Ile Phe Ser Lys Phe Asn Gln Glu Leu His Gln Phe
245         250         255

Thr Glu Lys Val Ile Gln Asp Arg Lys Glu Ser Leu Lys Asp Lys Leu
260         265         270

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Lys Gln Asp Thr Thr Gln Lys Arg Arg Trp Asp Phe Leu Asp Ile Leu  
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 Gln Ala Glu Val Lys Thr Phe Met Phe Ala Gly His Asp Thr Thr Ser  
 305 310 315 320  
 Ser Ala Ile Ser Trp Ile Leu Tyr Cys Leu Ala Lys Tyr Pro Glu His  
 325 330 335  
 Gln Gln Arg Cys Arg Asp Glu Ile Arg Glu Leu Leu Gly Asp Gly Ser  
 340 345 350  
 Ser Ile Thr Trp Glu His Leu Ser Gln Met Pro Tyr Thr Thr Met Cys  
 355 360 365  
 Ile Lys Glu Cys Leu Arg Leu Tyr Ala Pro Val Val Asn Ile Ser Arg  
 370 375 380  
 Leu Leu Asp Lys Pro Ile Thr Phe Pro Asp Gly Arg Ser Leu Pro Ala  
 385 390 395 400  
 Gly Ile Thr Val Phe Ile Asn Ile Trp Ala Leu His His Asn Pro Tyr  
 405 410 415  
 Phe Trp Glu Asp Pro Gln Val Phe Asn Pro Leu Arg Phe Ser Arg Glu  
 420 425 430  
 Asn Ser Glu Lys Ile His Pro Tyr Ala Phe Ile Pro Phe Ser Ala Gly  
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 Ala Val Ala Leu Thr Leu Leu Arg Phe Lys Leu Ala Pro Asp His Ser  
 465 470 475 480  
 Arg Pro Pro Gln Pro Val Arg Gln Val Val Leu Lys Ser Lys Asn Gly  
 485 490 495  
 Ile His Val Phe Ala Lys Lys Val Cys  
 500 505